

HISTONE H2A.X RABBIT MAB

Cat.#: N262330

Product Name: Anti-Histone H2A.X Rabbit Monoclonal Antibody

Synonyms: H2A.X; H2AFX; H2a/x; HIST5-2AX; Histone H2A.X

UNIPROT ID: P16104

Background: Variant histone H2A which replaces conventional H2A in a subset of nucleosomes. Nucleosomes wrap and compact DNA into chromatin, limiting DNA accessibility to the cellular machineries which require DNA as a template. Histones thereby play a central role in transcription regulation, DNA repair, DNA replication and chromosomal stability.

Immunogen: A synthetic peptide of human Histone H2A.X

Applications: WB,IHC-F,IHC-P,ICC/IF,IP

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 IP: 1/20

Host Species: Rabbit

Clonality: Rabbit Monoclonal

Clone ID: R02-5E6

MW: Calculated MW: 15 kDa; Observed MW: 15 kDa

Isotype: IgG

Purification: Affinity Purified

Species Reactivity: Human,Mouse,Rat

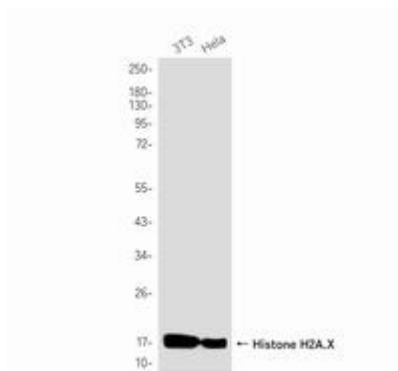
Conjugation: Unconjugated

Modification: Unmodified

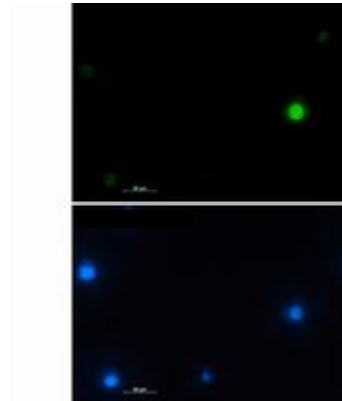
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Epigenetics and Nuclear Signaling

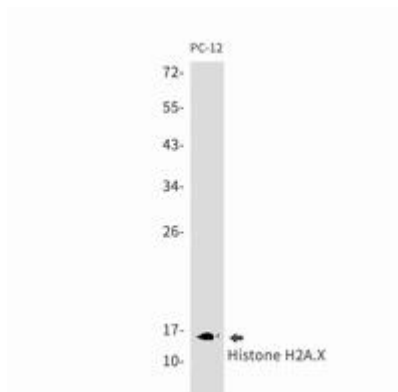
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



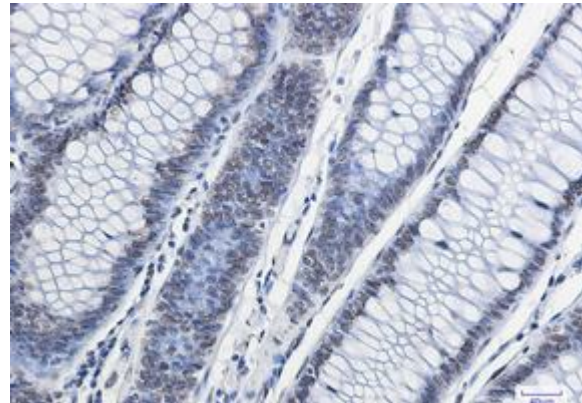
Western blot analysis of Histone H2A.X in 3T3, HeLa lysates using Histone H2A.X antibody



Immunocytochemistry analysis of Histone H2A.X (green) in HL-60 using Histone H2A.X antibody, and DAPI (blue).



Western blot analysis of Histone H2A.X in PC-12 lysates using Histone H2A.X antibody.



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Histone H2A.X antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.